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RUDOLPH J. ANDERSON, New Haven, Conn.
STANLEY R. BENEDICT, New York, N. Y.
LAFAYETTE B. MENDEL, New Haven, Conn.
DONALD D. VAN SLYKE, New York, N. Y.

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1924, 59, 535

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1927, 74, 839

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1927, 72, 665

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1927, 73, 69

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1923, 55, xix

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jects (DILL, LAWRENCE,
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1925, 65, 265

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Glycyllevoalanyl-, alkali action
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—, — —, — absorption, relation (CORI and CORI)

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—, to corresponding sulfonic acids (LEVENE and MIKESKA)

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Oxidation-reduction potentials (KENDALL and ORT)

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Glucose, substituted (LEVENE and MEYER)

1922, 53, 431

—, —, hydrolysis rate (LEVENE and MEYER)

1922, 53, 431

Phosphorus:

Absorption, carbohydrates and (BERGEIM)

1926, 70, 35

—, intestine (BERGEIM)

1926, 67, lv

1926, 70, 51

Assimilation, butter fat influence (BOGERT and TRAIL)

1922, 54, 753

—, yeast influence (BOGERT and TRAIL)

1922, 54, 753

Balance, alfalfa, milking cows, effect (HART, STEENBOCK, HOPPERT, and HUMPHREY)

1922, 53, 21

Phosphorus—continued:

Balance, bone meal and green grasses, milking cows, effect (HART, STEENBOCK, HOPPERT, and HUMPHREY)

1923-24, 58, 43

—, cholesterol, irradiated, effect (HESS and SHERMAN)

1927, 73, 145

—, green grasses, milking cows, effect (HART, STEENBOCK, HOPPERT, and HUMPHREY)

1923-24, 58, 43

—, hay and calcium phosphate (bone meal), milking cows, effect (HART, STEENBOCK, HOPPERT, BETHKE, and HUMPHREY)

1922, 54, 75

—, —, milking cows, effect (HART, STEENBOCK, HOPPERT, BETHKE, and HUMPHREY)

1922, 54, 75

—, light effect, lactating animals (HART, STEENBOCK, and ELVEHJEM)

1924-25, 62, 117

Bile salt metabolism, bile fistula, influence (SMYTH and WHIPPLE)

1924, 59, 623

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1923, 56, 97

—, determination, colorimetric, molybdic oxide (ROE, IRISH, and BOYD)

1926, 67, 579

— serum, chicks (ACKERSON, BLISH, and MUSEHL)

1925, 63, 75

Phosphorus—continued:

Blood determination,
fracture union, concen-
tration (MOORHEAD,
SCHMITZ, CUTTER, and
MYERS)

1923, 55, xiii

—, rickets, chicks
(ACKERSON, BLISH, and
MUSSEHL)

1925, 63, 75

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MAN and QUINN)

1926, 67, xxxiii, 667

—, food relation (SHER-
MAN and QUINN)

1926, 67, xxxiii, 667

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MAN and QUINN)

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1925, 64, 685

—, —, parathyroid gland
rôle (HAMMETT)

1927, 72, 527

—, —, thyroid gland rôle
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1927, 72, 527

Determination, animal
substances (DIENES)

1924, 61, 77

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1926, 67, xv

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SUBBAROW)

1925, 66, 375

—, —, molybdc oxide,
blood (ROE, IRISH, and
BOYD)

1926, 67, 579

Distribution, rickets
(McCANN and BARNETT)

1922, 54, 203

Excretion, calcium chlo-
ride and sodium phos-
phate injection effect
(GREENWALD and
GROSS)

1925, 66, 201

Phosphorus—continued:

Excretion, calcium chloride
injection effect (GREEN-
WALD and GROSS)

1925, 66, 201

—, feces, potassium influ-
ence (MILLER)

1926, 70, 593

—, parathyroid extract
effect (GREENWALD and
GROSS)

1925, 66, 217

1926, 68, 325

—, potassium influence
(MILLER)

1926, 67, 71

—, sodium phosphate in-
jection effect (GREEN-
WALD and GROSS)

1925, 66, 201

—, thyroparathyroidec-
tomy effect (GREEN-
WALD and GROSS)

1925, 66, 185

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ence (MILLER)

1926, 70, 593

Fat-soluble vitamin and,
blood composition, rela-
tion (BETHKE, STEEN-
BOCK, and NELSON)

1923-24, 58, 71

— — —, bone composition,
relation (BETHKE,
STEENBOCK, and
NELSON)

1923-24, 58, 71

— — —, growth relation
(BETHKE, STEENBOCK,
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1923-24, 58, 71

Femur ash, parathyroidec-
tomy effect (HAMMETT)

1923, 57, 285

— —, thyroparathyroidec-
tomy effect (HAMMETT)

1923, 57, 285

Phosphorus—continued:

- Humerus ash, parathyroidectomy effect (HAMMETT)
1923, 57, 285
- , thyroparathyroidectomy effect (HAMMETT)
1923, 57, 285
- Inorganic, blood, antirachitic vitamin criterion (STEENBOCK, HART, JONES, and BLACK)
1923-24, 58, 59
- , —, calcium relation (GROLLMAN)
1927, 72, 565
- , —, diet effect (DUTCHER, CREIGHTON, and ROTHROCK)
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- , —, glucose effect (KATAYAMA and KILLIAN)
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- , —, infant (ROSE, RIESENFELD, and HANDLEMAN)
1925, 63, xlii
- , —, insulin and glucose effect (KATAYAMA and KILLIAN)
1926-27, 71, 707
- , —, — effect (KATAYAMA and KILLIAN)
1926-27, 71, 707
- , —, irradiated rachitic diet, effect (DUTCHER, CREIGHTON, and ROTHROCK)
1925, 66, 401
- , —, rachitic diet effect (DUTCHER, CREIGHTON, and ROTHROCK)
1925, 66, 401
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- Inorganic, blood serum, fasting effect (CAVINS)
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1923, 55, xii
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1924, 61, 63
- , —, rickets, fasting effect (CAVINS)
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1922, 53, 375
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1927, 74, xxvii

Phosphorus—continued:

Metabolism, cod liver oil
influence (SJOLLEMA)

1923, 57, 255

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1923, 57, 271

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1925, 63, xxix

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—, rickets, restricted food
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tomy, calcium salts
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1926, 67, 1

—, —, sodium phosphate
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1926, 67, 1

—, ultra-violet light, milk-
ing cows, influence
(HART, STEENBOCK,
SCOTT, and HUMPHREY)

1927, 73, 59

Milk, compounds, solu-
bility, heat effect (BELL)

1925, 64, 391

—, evaporated and pasteur-
ized, as source, compari-
son (WILLARD and
BLUNT)

1927, 75, 251

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(LENSTRUP)

1926, 70, 193

—, total, human and cow
(HESS and HELMAN)

1925, 64, 781

Organic, determination
(BAUMANN)

1924, 59, 667

—, —, gravimetric (JONES
and PERKINS)

1923, 55, 343

—, —, urine (YOUNGBURG
and PUCHER)

1924-25, 62, 31

—, urine (YOUNGBURG and
PUCHER)

1924-25, 62, 31

Phosphate-, determination,
ceruleomolybdate (GIL-
BERT and SMITH)

1927, 74, 223

Poisoning, carbohydrate
tolerance, effect (BODAN-
SKY)

1923-24, 58, 515

Retention, orange juice
effect, children (CHANEY
and BLUNT)

1925, 66, 829

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1922, 54, 203

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1926, 67, xv

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Photosynthesis:

Vitamin A, relation (WIL-
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Physiological observations:

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1925, 64, 193

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1925, 63, 305

II (HESS and WEINSTOCK)

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1925, 66, 145

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1926, 67, 413

VII (HESS and SHERMAN)

1927, 73, 145

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1927, 74, 651

—, biological activity, change (HESS and WEINSTOCK)

1925, 64, 181

—, changes (HESS, WEINSTOCK, and SHERMAN)

1926, 67, 413

Pollen, corn, White Flint (ANDERSON)

1923, 55, 611

Picrate:

Urine, normal, nature, Findlay and Sharpe method (WHITE)

1926-27, 71, 419

Picric acid:

Purification, creatinine determination (BENEDICT)

1922, 54, 239

Pigment:

Bile, hydrogen dioxide action (VON OETTINGEN and SOLLMANN)

1927, 72, 635

Pigment—continued:

Bile, mercuric chloride action (VON OETTINGEN and SOLLMANN)

1927, 72, 635

—, oxidation (BARRY and LEVINE)

1924, 59, lii

—, reduction (BARRY and LEVINE)

1924, 59, lii

Blood, oxygen capacity, nitrobenzene effect (STIMSON)

1927, 75, 741

—, — —, splenectomy effect (STIMSON)

1927, 75, 95

Flavone-like, coloration cause, hemipterous families (PALMER and KNIGHT)

1924, 59, 451

Grape, chemistry (ANDERSON)

1923, 57, 795

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1924, 61, 97

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1924, 61, 685

Maize, Mendelian color types (SANDO and BARTLETT)

1922, 54, 629

Plant, yellow, fat-soluble vitamin (STEENBOCK and SELL)

1922, 51, 63

Urine, normal (DRABKIN)

1926, 67, xl

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1927, 75, 443

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1927, 75, 481

—, —, extraction (DRABKIN)

1927, 74, xv

—, —, output, basal metabolism relationship (DRABKIN)

1927, 75, 481

Pigment—continued:

Urine, output, diet relationship (DRABKIN)

1927, 75, 443

—, —, metabolism relationship (DRABKIN)

1927, 75, 443

Pilocarpine:

Bile salt metabolism, influence (SMYTH and WHIPPLE)

1924, 59, 655

Blood concentration, effect (UNDERHILL and ROTH)

1922, 54, 607

Lymph, mineral metabolism, effect (PETERSEN and HUGHES)

1925, 66, 229

Pisum sativum:

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Pituitary:

Posterior, ablation effect (FOSTER and SMITH)

1926, 67, xxix

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Lymph, mineral metabolism, effect (PETERSEN and HUGHES)

1925, 66, 229

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Alcohol content (McNALLY, EMBREE, and RUST)

1927, 74, 219

Transmission, I (BOGERT and PLASS)

1923, 56, 297

II (PLASS and TOMPKINS)

1923, 56, 309

Plant:

Chlorophyll-free, water-soluble B, antineuritic substance (ORTON, McCOLLUM, and SIMMONDS)

1922, 53, 1

Enzymes, ion activation (DOBY and HIBBARD)

1927, 73, 405

Plant—continued:

Fats, dihydrositosterol distribution (ANDERSON, NABENHAUER, and SHRINER)

1926-27, 71, 389

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1923, 56, 513

Ions, nutrient (DOBY and HIBBARD)

1927, 73, 405

Material, manganese (LINDOW and PETERSON)

1927, 75, 169

Nitrogen, nitrate, determination (BURRELL and PHILLIPS)

1925, 65, 229

Nucleic acid, nitrogenous groups (JONES and PERKINS)

1924-25, 62, 557

Nucleoside, dissociation constant, nucleic acid structure, relation (LEVENE and SIMMS)

1925, 65, 519

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1924-25, 62, 291

—, dissociation constant, nucleic acid structure, relation (LEVENE and SIMMS)

1925, 65, 519

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1924-25, 62, 759

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1926, 68, 285

Pigment, yellow, fat-soluble vitamin (STEINBOCK and SELL)

1922, 51, 63

Plant—continued:

Sterols, reduction products
(ANDERSON and
SHRINER)

1926-27, 71, 401

Tissue, ash, nutritional
anemia, corrective
(HART, ELVEHJEM, WAD-
DELL, and HERRIN)

1927, 72, 299

— extracts, florid rickets,
effect (SHIPLEY, KIN-
NEY, and McCOLLUM)

1924, 59, 165

—, green, vitamin A
(QUINN, BURTIS, and
MILNER)

1927, 72, 557

—, —, — B (QUINN,
BURTIS, and MILNER)

1927, 72, 557

—, —, — C (QUINN,
BURTIS, and MILNER)

1927, 72, 557

—, greenness, vitamin A
association. I (DYE,
MEDLOCK, and CRIST)

1927, 74, 95

—, vitamin A formation,
heat influence (COWARD)

1927, 72, 781

—, — —, light influence
(COWARD)

1927, 72, 781

Vitamin A, photosynthesis,
relation (WILSON)

1922, 51, 455

Plasma:

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Plastein:

Nutritive value (BEARD)

1926-27, 71, 477

Pneumococcus:

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IV (HEIDELBERGER and
GOEBEL)

1926, 70, 613

Pneumococcus—continued:

Specific substance, soluble.

V (HEIDELBERGER and
GOEBEL)

1927, 74, 613

Type III, specific polysac-
charide (HEIDELBERGER
and GOEBEL)

1926, 70, 613

— —, — —, aldobionic
acid from (HEIDEL-
BERGER and GOEBEL)

1927, 74, 613

Poikilothermism:

Blood serum electrolytes,
different temperatures,
effect (AUSTIN, SUNDER-
MAN, and CAMACK)

1927, 72, 677

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tration, different tem-
peratures, effect (AUS-
TIN, SUNDERMAN, and
CAMACK)

1927, 72, 677

Poison:

Cardiac, structural rela-
tionship (JACOBS and
HOFFMANN)

1926, 67, 333

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Antimony, subacute, ni-
trogen metabolism
(PŘIBYL)

1927, 74, 775

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metabolism (PŘIBYL)

1927, 74, 775

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tolerance effect (BODAN-
SKY)

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metabolism effect
(UNDERHILL and GROSS)

1923-24, 58, 141

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Mercuric chloride, acute,
blood changes (LOONEY)
1926, 70, 513

Phosphorus, carbohydrate
tolerance effect (BODAN-
SKY)
1923-24, 58, 515

Sodium, tetany relation
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1924, 59, 1

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Corn. II (ANDERSON)
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Flint (ANDERSON)
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(ANDERSON)
1923, 55, 611

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1923, 55, 611

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1926, 70, 613

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1926, 67, 721

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1922, 53, 241

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1926, 67, x

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ALCOTT, and MORTIMER)

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1923-24, 58, 117

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1927, 72, 239

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1927, 73, 581

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1926, 68, 611

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1924, 60, 1

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SUBJECT INDEX

Entries for physical constants or properties or for such physiological phenomena as *Absorption, Assimilation, Digestion, Equilibrium, Excretion, Fermentation, Metabolism, Respiration*, etc., have been made only when the subject is treated in a general sense; not when these subjects occur in connection with a definite substance.

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1930, 87, lvi

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1932, 97, 563

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1931, 91, 77

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1929, 82, 77

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1929-30, 85, 627

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1933, 100, 779

— —, deficiency, protein-low diet (FRISCH, MENDEL, and PETERS)

1929, 84, 167

— —, determination, colorimetric (GREENBERG)

1929, 82, 545

— —, fish, distribution (LEPKOVSKY) 1929-30, 85, 667

— —, fractionation (MUSCHEL)

1928, 78, 715

— —, inanition (SCHELLING)

1930, 89, 575

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1929, 81, 205

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1931, 92, xiii

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1928, 79, 177

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1933, 100, 779

— —, vitamin B deficiency (SCHELLING)

1930, 89, 575

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1929, 83, 357

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1931, 90, 771

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1928, 78, 653

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1929, 81, 321

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1928, 80, 413

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- , pepsin, neutral salts effect (McMEEKIN) 1928, 78, xliii

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- , nitrogen equilibrium (McCLELLAN and HANNON)

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